

ENTERED

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/043,649
DATE: 12/02/2002
TIME: 15:08:54

Input Set : A:\EP.txt

```
3 <110> APPLICANT: Holland, Sacha J.
              Mendenhall, Marcy K.
      4
      5
              Pardo, Jorge
      6
              Spencer, Collin
      7
              Fu, C. Alan
      8
              Luo, Ying
      9
              Payan, Donald G.
     10
              Mancebo, Helena S.Y.
     11
              Wu, Jun
              Zhou, Xiulan
     12
              Shen, Mary
     13
              Liao, X. Charlene
     14
     15
              Sheng, Ning
     17 <120> TITLE OF INVENTION: Cloning of a Novel Inhibitor of Antigen-receptor Signalling
by a
              Retroviral-based Functional Screen
     20 <130> FILE REFERENCE: A-70219-1/RMS/DHR
     22 <140> CURRENT APPLICATION NUMBER: US 10/043,649
     23 <141> CURRENT FILING DATE: 2002-01-10
     25 <150> PRIOR APPLICATION NUMBER: US 60/260,953
     26 <151> PRIOR FILING DATE: 2001-01-10
     28 <160> NUMBER OF SEQ ID NOS: 3
     30 <170> SOFTWARE: PatentIn version 3.1
     32 <210> SEQ ID NO: 1
     33 <211> LENGTH: 786
     34 <212> TYPE: DNA
     35 <213> ORGANISM: Homo sapiens
     37 <220> FEATURE:
     38 <221> NAME/KEY: CDS
     39 <222> LOCATION: (1)..(786)
     40 <223> OTHER INFORMATION:
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     43 atg gga agt ctg ccc agc aga aga aaa tct ctg cca agc cca agc ttg
                                                                                48
     44 Met Gly Ser Leu Pro Ser Arg Arg Lys Ser Leu Pro Ser Pro Ser Leu
     45 1
                                             10
     47 agt tee tet gte caa gge cag gga eet gtg ace atg gaa gea gag aga
                                                                                96
     48 Ser Ser Ser Val Gln Gly Gln Gly Pro Val Thr Met Glu Ala Glu Arg
                    20
                                        25
     51 age aag gee aea gee gtg gee etg gge agt tte eeg gea ggt gge eeg
                                                                               144
     52 Ser Lys Ala Thr Ala Val Ala Leu Gly Ser Phe Pro Ala Gly Gly Pro
                                    40
                                                         45
     55 gcc gag ctg tcg ctg aga ctc ggg gag cca ttg acc atc gtc tct gag
                                                                              192
     56 Ala Glu Leu Ser Leu Arg Leu Gly Glu Pro Leu Thr Ile Val Ser Glu
                                5.5
                                                     60
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59 gat gga gac tgg tgg acg gtg ctg tct gaa gtc tca ggc aga gag tat	240
60 Asp Gly Asp Trp Trp Thr Val Leu Ser Glu Val Ser Gly Arg Glu Tyr	
61 65 70 75 80	
63 aac atc ccc agc gtc cac gtg gcc aaa gtc tcc cat ggg tgg ctg tat	288
64 Asn Ile Pro Ser Val His Val Ala Lys Val Ser His Gly Trp Leu Tyr	
65 85 90 95	
67 gag ggc ctg agc agg gag aaa gca gag gaa ctg ctg ttg tta cct ggg	336
68 Glu Gly Leu Ser Arg Glu Lys Ala Glu Glu Leu Leu Leu Pro Gly	
69 100 105 110	204
71 aac cet gga ggg gee tte ete ate egg gag age eag ace agg aga gge	384
72 Asn Pro Gly Gly Ala Phe Leu Ile Arg Glu Ser Gln Thr Arg Arg Gly	
73 115 120 125	432
75 tot tac tot ctg toa gto ogo oto ago ogo oot goa too tgg gao ogg 76 Ser Tyr Ser Leu Ser Val Arg Leu Ser Arg Pro Ala Ser Trp Asp Arg	4 32
77 130 135 140	
79 atc aga cac tac agg atc cac tgc ctt gac aat ggc tgg ctg tac atc	480
80 Ile Arg His Tyr Arg Ile His Cys Leu Asp Asn Gly Trp Leu Tyr Ile	100
81 145 150 155 160	
83 tea eeg ege ete ace tte eee tea ete eag gee etg gtg gae eat tae	528
84 Ser Pro Arg Leu Thr Phe Pro Ser Leu Gln Ala Leu Val Asp His Tyr	
85 165 170 175	
87 tet gag etg geg gat gae ate tge tge eta etc aag gag eec tgt gte	576
88 Ser Glu Leu Ala Asp Asp Ile Cys Cys Leu Leu Lys Glu Pro Cys Val	
89 180 185 190	
91 ctg cag agg gct ggc ccg ctc cct ggc aag gat ata ccc cta cct gtg	624
92 Leu Gln Arg Ala Gly Pro Leu Pro Gly Lys Asp Ile Pro Leu Pro Val	
93 195 200 205	676
95 act gtg cag agg aca cca ctc aac tgg aaa gag ctg gac agc tcc ctc	672
96 Thr Val Gln Arg Thr Pro Leu Asn Trp Lys Glu Leu Asp Ser Ser Leu	
97 210 215 220	720
99 ctg ttt tct gaa gct gcc aca ggg gag gag tct ctt ctc agt gag ggt	720
100 Leu Phe Ser Glu Ala Ala Thr Gly Glu Glu Ser Leu Leu Ser Glu Gly 101 225 230 235 240	
103 ctc cgg gag too ctc ago ttc tac atc ago ctg aat gac gag gct gtc	768
103 Ctc Cyg gag tee etc age the tac atc age etg aat gae gag get gee 104 Leu Arg Glu Ser Leu Ser Phe Tyr Ile Ser Leu Asn Asp Glu Ala Val	700
105 245 250 255	
107 tct ttg gat gat gcc tag	786
108 Ser Leu Asp Asp Ala	
109 260	
112 <210> SEQ ID NO: 2	
113 <211> LENGTH: 261	
114 <212> TYPE: PRT	
115 <213> ORGANISM: Homo sapiens	
117 <400> SEQUENCE: 2	
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120 1 5 10 15	
123 Ser Ser Ser Val Gln Gly Gln Gly Pro Val Thr Met Glu Ala Glu Arg	
124 20 25 30	
127 Ser Lys Ala Thr Ala Val Ala Leu Gly Ser Phe Pro Ala Gly Gly Pro	

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128
                               40
           35
131 Ala Glu Leu Ser Leu Arg Leu Gly Glu Pro Leu Thr Ile Val Ser Glu
                           55
135 Asp Gly Asp Trp Trp Thr Val Leu Ser Glu Val Ser Gly Arg Glu Tyr
                       70
139 Asn Ile Pro Ser Val His Val Ala Lys Val Ser His Gly Trp Leu Tyr
143 Glu Gly Leu Ser Arg Glu Lys Ala Glu Glu Leu Leu Leu Pro Gly
                                   105
147 Asn Pro Gly Gly Ala Phe Leu Ile Arg Glu Ser Gln Thr Arg Arg Gly
148
    115
                               120
151 Ser Tyr Ser Leu Ser Val Arg Leu Ser Arg Pro Ala Ser Trp Asp Arg
       130
                           135
155 Ile Arg His Tyr Arg Ile His Cys Leu Asp Asn Gly Trp Leu Tyr Ile
                       150
                                           155
159 Ser Pro Arg Leu Thr Phe Pro Ser Leu Gln Ala Leu Val Asp His Tyr
                                       170
                   165
163 Ser Glu Leu Ala Asp Asp Ile Cys Cys Leu Leu Lys Glu Pro Cys Val
               180
                                   185
                                                      190
167 Leu Gln Arg Ala Gly Pro Leu Pro Gly Lys Asp Ile Pro Leu Pro Val
                               200
171 Thr Val Gln Arg Thr Pro Leu Asn Trp Lys Glu Leu Asp Ser Ser Leu
                           215
175 Leu Phe Ser Glu Ala Ala Thr Gly Glu Glu Ser Leu Leu Ser Glu Gly
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                                           235
179 Leu Arg Glu Ser Leu Ser Phe Tyr Ile Ser Leu Asn Asp Glu Ala Val
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183 Ser Leu Asp Asp Ala
184
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188 <211> LENGTH: 276
189 <212> TYPE: PRT
190 <213> ORGANISM: Homo sapiens
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198 Pro Asn Pro Glu Gly Leu Asp Ser Asp Phe Leu Ala Val Leu Ser Asp
202 Tyr Pro Ser Pro Asp Ile Ser Pro Pro Ile Phe Arg Arg Gly Glu Lys
206 Leu Arg Val Ile Ser Asp Glu Gly Gly Trp Trp Lys Ala Ile Ser Leu
210 Ser Thr Gly Arg Glu Ser Tyr Ile Pro Gly Ile Cys Val Ala Arg Val
211 65
                       70
                                           75
214 Tyr His Gly Trp Leu Phe Glu Gly Leu Gly Arg Asp Lys Ala Glu Glu
215
                   85
                                       90
218 Leu Leu Gln Leu Pro Asp Thr Lys Val Gly Ser Phe Met Ile Arg Glu
                           105
219 100
222 Ser Glu Thr Lys Lys Gly Phe Tyr Ser Leu Ser Val Arg His Arg Gln
```

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223			115					120					125			
226 227	Val	Lys 130	His	Tyr	Arg	Ile	Phe 135	Arg	Leu	Pro	Asn	Asn 140	Trp	Tyr	Tyr	Ile
	Ser 145	Pro	Arg	Leu	Thr	Phe 150	Gln	Cys	Leu	Glu	Asp 155	Leu	Val	Asn	His	Tyr 160
234 235	Ser	Glu	Val	Ala	Asp 165	Gly	Leu	Cys	Cys	Val 170	Leu	Thr	Thr	Pro	Cys 175	Leu
238 239	Thr	G1n	Ser	Thr 180	Ala	Ala	Pro	Ala	Val 185	Arg	Ala	Ser	Ser	Ser 190	Pro	Val
242 243	Thr	Leu	Arg 195	Gln	Lys	Thr	Val	Asp 200	Trp	Arg	Arg	Val	Ser 205	Arg	Leu	Gln
246 247	Glu	Asp 210	Pro	Glu	Gly	Thr	Glu 215	Asn	Pro	Leu	Gly	Val 220	Asp	Glu	Ser	Leu .
	Phe 225	Ser	Tyr	Gly	Leu	Arg 230	G1u	Ser	Ile	Ala	Ser 235	Tyr	Leu	Ser	Leu	Thr 240
254 255	Ser	Glu	Asp	Asn	Thr 245	Ser	Phe	Asp	Arg	Lys 250	Lys	Lys	Ser	Ile	Ser 255	Leu
258 259	Met	Tyr	Gly	Gly 260	Ser	Lys	Arg	Lys	Ser 265	Ser	Phe	Phe	Ser	Ser 270	Pro	Pro
262 263	Tyr	Phe	Glu 275	Asp												

VERIFICATION SUMMARY

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Output Set: N:\CRF4\12022002\J043649.raw

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